ASSIST1

Press for Help. Built to Survive.

Vandal-Resistant Emergency Call Button

Assist1 is a non-destructible emergency call button engineered specifically for correctional and detention environments. Using solid-state piezoelectric switch technology and a tube-within-tube construction, Assist1 delivers long-term reliability, resistance to vandalism, and rapid field service without removing the mounting hardware.

Key Characteristics

- **Zero moving parts:** no wear, jamming, or mechanical failure
- **Vandal-resistant,** hardened construction
- **Field-replaceable inner module**
- **Instant activation** with no performance degradation
- **Low lifecycle maintenance cost**

Typical Applications

- Inmate emergency call points
- Cells and segregation units
- Holding and intake facilities

Integration & Installation

- Assist1 connects directly to intercom, paging, or relay-based emergency systems. Compatible with centralized control room monitoring systems.

Compliance

- Designed for correctional emergency communication systems.
  IP69K environmental sealing, IK06 impact resistance, RoHS compliant.

Technical Specifications

Switch Technology	Piezoelectric (solid-state)
Contacts	N.O.
Rated Voltage	2-16 VDC
Rated current	max 0.2A
Switch resistance “ON”	<1 Ohm
Impulse Switch resistance “OFF”	>5 Mega Ohms
Impulse time	125 – 300 msec
Operating Temperature	10F – 140F
Warranty	One year
Tubing	Stainless Steel

Mechanical Drawing

The Assist1 mechanical design is optimized for high-abuse correctional environments, combining structural strength with modular serviceability.

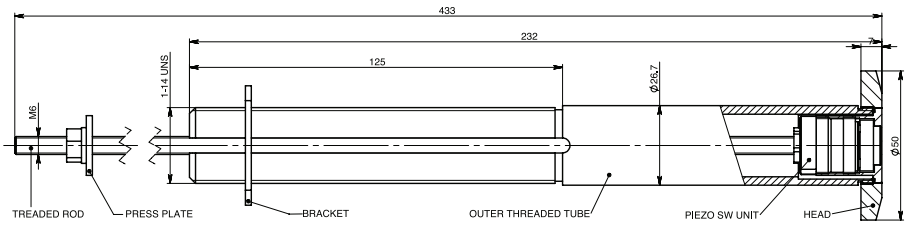

Figure 1: Dimensional Overview

Side-view technical drawing showing:

- overall length (257.5 mm)
- maximum installed depth (195 mm)
- 50 mm vandal-resistant head diameter

The recessed 25 mm push area minimizes tampering and leveraging attempts.

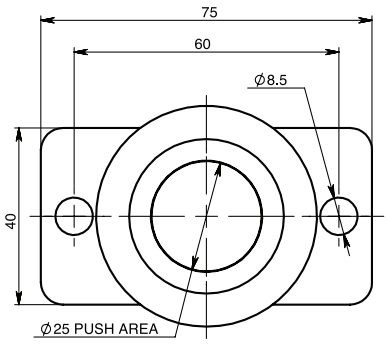

Figure 2: Internal Construction

Exploded View

1. Vandal-resistant head – Hardened external surface
2. Piezoelectric switch unit – Solid-state, zero moving parts
3. Outer threaded tube – Structural protection
4. Inner threaded rod (M6) – Secure mounting and isolation
5. Press plate – Even force distribution
6. Nyloc nut – Anti-loosening retention

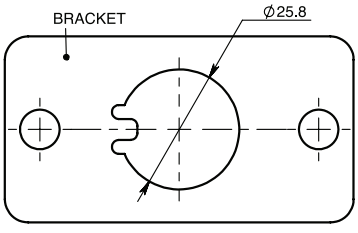

Figure 3: Secure Bracket

- Secure-side panel mounting
- Recessed actuation surface limits leverage
- Inner module replaceable without removing housing

*The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Users should evaluate the suitability and test each product selected for their own applications.